

CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

WELDER

DEFINITION:

Under general supervision, to perform skilled oxyacetylene, electric arc, and semiautomatic welding; to heat, cut, shape, and braze metal; and to perform related work.

*** EXAMPLES OF DUTIES:**

- Performs skilled welding in fitting and repairing automotive equipment, bridges, metal fences, piping systems, pumps, sprocket assemblies, motor drive units and similar equipment and components;
- Lays out, marks, and fabricates metal structures, parts, and similar special installations;
- Welds light and heavy gauge metals and piping;
- Operates a cutting torch to cut and shape metal to close specifications; brazes and silver solders copper piping and fittings;
- Rivets, forms, and fixes metal parts and assemblies;
- Does general anvil and hammer work;
- Forges, dresses, tempers, and sharpens tools;
- Prepares and grinds weld bead for desired finish;
- Constructs and repairs vehicle and equipment frames;
- Rebuilds crawler tractor rails and tracks;
- Does shielded arc welding; welds cast iron, aluminum, and stainless steel;
- Fabricates brackets, clamps, railings, eye bolts, and support beams;
- Operates hand and power metal working tools and machines;
- Designs and reads blueprints and schematics in laying out work;
- When directed, applies productivity time guidelines and other required data to work repair forms;
- Trains and leads the work of apprentices and assigned personnel.

MINIMUM QUALIFICATIONS:

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Announcement for updated minimum qualifications.

Four years of experience in all phases of work as a journey-level Welder/Fabricator; **OR** successful completion of a State-accredited four-year Welder Apprenticeship Program in combination welding (electric and acetylene); **OR** a combination of the above training and experience. Possession of a valid California Class C Driver's License.

- * **EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.